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RAW SEQUENCE LISTING   DATE: 04/24/2002
PATENT APPLICATION: US/10/075,446   TIME: 10:12:39

Input Set : N:\Crf3\RULE60\10075446.raw
Output Set: N:\CRF3\04242002\J075446.raw

SEQUENCE LISTING
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  3 (1) GENERAL INFORMATION:
  5       (i) APPLICANT: RUBEN, STEVEN M.
  6                      JIMENEZ, PABLO
  7                      DUAN, D. ROXANNE
  8                      RAMPY, MARK A.
  9                      MENDRICK, DONNA
 10                      ZHANG, JUN
 11                      NI, JIAN
 12                      MOORE, PAUL A.
 13                      COLEMAN, TIMOTHY A.
 14                      GRUBER, JOACHIM R.
W--> 15                  DILLON, PATRICK J.
W--> 16                  GENTZ, REINER L.
 18      (ii) TITLE OF INVENTION: KERATINOCYTE GROWTH FACTOR-2
 20     (iii) NUMBER OF SEQUENCES: 148
 22      (iv) CORRESPONDENCE ADDRESS:
 23           (A) ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
 24           (B) STREET: 1100 NEW YORK AVE, NW, SUITE 600
 25           (C) CITY: WASHINGTON
 26           (D) STATE: DC
 27           (E) COUNTRY: USA
 28           (F) ZIP: 20005-3934
 30       (v) COMPUTER READABLE FORM:
 31           (A) MEDIUM TYPE: Floppy disk
 32           (B) COMPUTER: IBM PC compatible
 33           (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 34           (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 36      (vi) CURRENT APPLICATION DATA:
C--> 37           (A) APPLICATION NUMBER: US/10/075,446
C--> 38           (B) FILING DATE: 15-Feb-2002
 39           (C) CLASSIFICATION:
 70     (vii) PRIOR APPLICATION DATA:
 42           (A) APPLICATION NUMBER: 09/023,082
 43           (B) FILING DATE:
 47           (A) APPLICATION NUMBER: PCT/US95/01790
 48           (B) FILING DATE: 14-FEB-1995
 51           (A) APPLICATION NUMBER: US 08/461,195
 52           (B) FILING DATE: 05-JUN-1995
 55           (A) APPLICATION NUMBER: US 60/023,852
 56           (B) FILING DATE: 13-AUG-1996
 59           (A) APPLICATION NUMBER: US 60/039,045
 60           (B) FILING DATE: 28-FEB-1997
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Input Set : N:\Crf3\RULE60\10075446.raw
Output Set: N:\CRF3\04242002\J075446.raw

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63              (A) APPLICATION NUMBER: US 08/862,432
64              (B) FILING DATE: 23-MAY-1997
67              (A) APPLICATION NUMBER: US 08/910,875
68              (B) FILING DATE: 13-AUG-1997
71              (A) APPLICATION NUMBER: US 60/055,561
72              (B) FILING DATE: 13-AUG-1997
74   (viii) ATTORNEY/AGENT INFORMATION:
75              (A) NAME: STEFFFE, ERIC K.
76              (B) REGISTRATION NUMBER: 36,688
77              (C) REFERENCE/DOCKET NUMBER: 1488.0360008/EKS
79      (ix) TELECOMMUNICATION INFORMATION:
80              (A) TELEPHONE: 202-371-2600
81              (B) TELEFAX: 202-371-2540
83 (2) INFORMATION FOR SEQ ID NO: 1:
85       (i) SEQUENCE CHARACTERISTICS:
86              (A) LENGTH: 627 base pairs
87              (B) TYPE: nucleic acid
88              (C) STRANDEDNESS: double
89              (D) TOPOLOGY: both
91      (ii) MOLECULE TYPE: DNA (genomic)
94      (ix) FEATURE:
95              (A) NAME/KEY: CDS
96              (B) LOCATION: 1..624
99      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
101 ATG TGG AAA TGG ATA CTG ACA CAT TGT GCC TCA GCC TTT CCC CAC CTG        48
102 Met Trp Lys Trp Ile Leu Thr His Cys Ala Ser Ala Phe Pro His Leu
103  1               5                  10                  15
105 CCC GGC TGC TGC TGC TGC TGC TTT TTG TTG CTG TTC TTG GTG TCT TCC        96
106 Pro Gly Cys Cys Cys Cys Cys Phe Leu Leu Leu Phe Leu Val Ser Ser
107             20                  25                  30
109 GTC CCT GTC ACC TGC CAA GCC CTT GGT CAG GAC ATG GTG TCA CCA GAG       144
110 Val Pro Val Thr Cys Gln Ala Leu Gly Gln Asp Met Val Ser Pro Glu
111         35                  40                  45
113 GCC ACC AAC TCT TCT TCC TCC TCC TTC TCC TCT CCT TCC AGC GCG GGA       192
114 Ala Thr Asn Ser Ser Ser Ser Ser Phe Ser Ser Pro Ser Ser Ala Gly
115     50                  55                  60
117 AGG CAT GTG CGG AGC TAC AAT CAC CTT CAA GGA GAT GTC CGC TGG AGA       240
118 Arg His Val Arg Ser Tyr Asn His Leu Gln Gly Asp Val Arg Trp Arg
119 65                  70                  75                  80
121 AAG CTA TTC TCT TTC ACC AAG TAC TTT CTC AAG ATT GAG AAG AAC GGG       288
122 Lys Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys Asn Gly
123                 85                  90                  95
125 AAG GTC AGC GGG ACC AAG AAG GAG AAC TGC CCG TAC AGC ATC CTG GAG       336
126 Lys Val Ser Gly Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu
127                 100                 105                 110
129 ATA ACA TCA GTA GAA ATC GGA GTT GTT GCC GTC AAA GCC ATT AAC AGC       384
130 Ile Thr Ser Val Glu Ile Gly Val Val Ala Val Lys Ala Ile Asn Ser
131         115                 120                 125
133 AAC TAT TAC TTA GCC ATG AAC AAG AAG GGG AAA CTC TAT GGC TCA AAA       432
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PATENT APPLICATION: US/10/075,446   TIME: 10:12:39

Input Set : N:\Crf3\RULE60\10075446.raw
Output Set: N:\CRF3\04242002\J075446.raw

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134 Asn Tyr Tyr Leu Ala Met Asn Lys Lys Gly Lys Leu Tyr Gly Ser Lys
135     130                 135                 140
137 GAA TTT AAC AAT GAC TGT AAG CTG AAG GAG AGG ATA GAG GAA AAT GGA          480
138 Glu Phe Asn Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly
139 145                 150                 155                 160
141 TAC AAT ACC TAT GCA TCA TTT AAC TGG CAG CAT AAT GGG AGG CAA ATG          528
142 Tyr Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met
143             165                 170                 175
145 TAT GTG GCA TTG AAT GGA AAA GGA GCT CCA AGG AGA GGA CAG AAA ACA          576
146 Tyr Val Ala Leu Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr
147             180                 185                 190
149 CGA AGG AAA AAC ACC TCT GCT CAC TTT CTT CCA ATG GTG GTA CAC TCA          624
150 Arg Arg Lys Asn Thr Ser Ala His Phe Leu Pro Met Val Val His Ser
151         195                 200                 205
153 TAG                                                                      627
156 (2) INFORMATION FOR SEQ ID NO: 2:
158       (i) SEQUENCE CHARACTERISTICS:
159             (A) LENGTH: 208 amino acids
160             (B) TYPE: amino acid
161             (D) TOPOLOGY: linear
163       (ii) MOLECULE TYPE: protein
165      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
167 Met Trp Lys Trp Ile Leu Thr His Cys Ala Ser Ala Phe Pro His Leu
168  1                 5                 10                 15
170 Pro Gly Cys Cys Cys Cys Cys Phe Leu Leu Leu Phe Leu Val Ser Ser
171             20                 25                 30
173 Val Pro Val Thr Cys Gln Ala Leu Gly Gln Asp Met Val Ser Pro Glu
174             35                 40                 45
176 Ala Thr Asn Ser Ser Ser Ser Ser Phe Ser Ser Pro Ser Ser Ala Gly
177     50                 55                 60
179 Arg His Val Arg Ser Tyr Asn His Leu Gln Gly Asp Val Arg Trp Arg
180  65                 70                 75                 80
182 Lys Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys Asn Gly
183             85                 90                 95
185 Lys Val Ser Gly Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu
186             100                 105                 110
188 Ile Thr Ser Val Glu Ile Gly Val Val Ala Val Lys Ala Ile Asn Ser
189         115                 120                 125
191 Asn Tyr Tyr Leu Ala Met Asn Lys Lys Gly Lys Leu Tyr Gly Ser Lys
192     130                 135                 140
194 Glu Phe Asn Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly
195 145                 150                 155                 160
197 Tyr Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met
198             165                 170                 175
200 Tyr Val Ala Leu Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr
201             180                 185                 190
203 Arg Arg Lys Asn Thr Ser Ala His Phe Leu Pro Met Val Val His Ser
204         195                 200                 205
207 (2) INFORMATION FOR SEQ ID NO: 3:
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RAW SEQUENCE LISTING   DATE: 04/24/2002
PATENT APPLICATION: US/10/075,446   TIME: 10:12:39

Input Set : N:\Crf3\RULE60\10075446.raw
Output Set: N:\CRF3\04242002\J075446.raw

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209        (i) SEQUENCE CHARACTERISTICS:
210            (A) LENGTH: 36 base pairs
211            (B) TYPE: nucleic acid
212            (C) STRANDEDNESS: single
213            (D) TOPOLOGY: linear
215       (ii) MOLECULE TYPE: cDNA
220       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
222 CCCCACATGT GGAAATGGAT ACTGACACAT TGTGCC                       36
224 (2) INFORMATION FOR SEQ ID NO: 4:
226        (i) SEQUENCE CHARACTERISTICS:
227            (A) LENGTH: 35 base pairs
228            (B) TYPE: nucleic acid
229            (C) STRANDEDNESS: single
230            (D) TOPOLOGY: linear
232       (ii) MOLECULE TYPE: cDNA
237       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
239 CCCAAGCTTC CACAAACGTT GCCTTCCTCT ATGAG                        35
241 (2) INFORMATION FOR SEQ ID NO: 5:
243        (i) SEQUENCE CHARACTERISTICS:
244            (A) LENGTH: 36 base pairs
245            (B) TYPE: nucleic acid
246            (C) STRANDEDNESS: single
247            (D) TOPOLOGY: linear
249       (ii) MOLECULE TYPE: cDNA
254       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
256 CATGCCATGG CGTGCCAAGC CCTTGGTCAG GACATG                       36
258 (2) INFORMATION FOR SEQ ID NO: 6:
260        (i) SEQUENCE CHARACTERISTICS:
261            (A) LENGTH: 35 base pairs
262            (B) TYPE: nucleic acid
263            (C) STRANDEDNESS: single
264            (D) TOPOLOGY: linear
266       (ii) MOLECULE TYPE: cDNA
271       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
273 CCCAAGCTTC CACAAACGTT GCCTTCCTCT ATGAG                        35
275 (2) INFORMATION FOR SEQ ID NO: 7:
277        (i) SEQUENCE CHARACTERISTICS:
278            (A) LENGTH: 35 base pairs
279            (B) TYPE: nucleic acid
280            (C) STRANDEDNESS: single
281            (D) TOPOLOGY: linear
283       (ii) MOLECULE TYPE: cDNA
288       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
290 GCGGGATCCG CCATCATGTG GAAATGGATA CTCAC                        35
292 (2) INFORMATION FOR SEQ ID NO: 8:
294        (i) SEQUENCE CHARACTERISTICS:
295            (A) LENGTH: 27 base pairs
296            (B) TYPE: nucleic acid
297            (C) STRANDEDNESS: single
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298          (D) TOPOLOGY: linear
300     (ii) MOLECULE TYPE: cDNA
305     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
307 GCGCGGTACC ACAAACGTTG CCTTCCT                                    27
309 (2) INFORMATION FOR SEQ ID NO: 9:
311      (i) SEQUENCE CHARACTERISTICS:
312          (A) LENGTH: 40 base pairs
313          (B) TYPE: nucleic acid
314          (C) STRANDEDNESS: single
315          (D) TOPOLOGY: linear
317     (ii) MOLECULE TYPE: cDNA
322     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
324 TAACGAGGAT CCGCCATCAT GTGGAAATGG ATACTGACAC                      40
326 (2) INFORMATION FOR SEQ ID NO: 10:
328      (i) SEQUENCE CHARACTERISTICS:
329          (A) LENGTH: 38 base pairs
330          (B) TYPE: nucleic acid
331          (C) STRANDEDNESS: single
332          (D) TOPOLOGY: linear
334     (ii) MOLECULE TYPE: cDNA
339     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
341 TAAGCACTCG AGTGAGTGTA CCACCATTGG AAGAAATG                        38
343 (2) INFORMATION FOR SEQ ID NO: 11:
345      (i) SEQUENCE CHARACTERISTICS:
346          (A) LENGTH: 54 base pairs
347          (B) TYPE: nucleic acid
348          (C) STRANDEDNESS: single
349          (D) TOPOLOGY: linear
351     (ii) MOLECULE TYPE: cDNA
356     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
358 ATTAACCCTC ACTAAAGGGA GGCCATGTGG AAATGGATAC TGACACATTG TGCC       54
360 (2) INFORMATION FOR SEQ ID NO: 12:
362      (i) SEQUENCE CHARACTERISTICS:
363          (A) LENGTH: 35 base pairs
364          (B) TYPE: nucleic acid
365          (C) STRANDEDNESS: single
366          (D) TOPOLOGY: linear
368     (ii) MOLECULE TYPE: cDNA
373     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
375 CCCAAGCTTC CACAAACGTT GCCTTCCTCT ATGAG                           35
377 (2) INFORMATION FOR SEQ ID NO: 13:
379      (i) SEQUENCE CHARACTERISTICS:
380          (A) LENGTH: 206 amino acids
381          (B) TYPE: amino acid
382          (C) STRANDEDNESS: Not Relevant
W--> 383          (D) TOPOLOGY: Not Relevant
385     (ii) MOLECULE TYPE: protein
390     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
392      Met Ser Gly Pro Gly Thr Ala Ala Val Ala Leu Leu Pro Ala Val Leu
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VERIFICATION SUMMARY
PATENT APPLICATION: US/10/075,446

DATE: 04/24/2002
TIME: 10:12:40

Input Set : N:\Crf3\RULE60\10075446.raw
Output Set: N:\CRF3\04242002\J075446.raw

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L:38 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
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L:16 M:259 W: Allowed number of lines exceeded, (i) APPLICANT:
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L:4233 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=136
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